

## 1.0 Introduction

As of the issuance of this report, the U.S. Department of Energy (DOE) Office of Legacy Management (LM) is responsible to implement the final response action selected in the Final Corrective Action Decision/Record of Decision (CAD/ROD) (EPA 2006) issued September 29, 2006, for the Rocky Flats Site. Prior to the CAD/ROD, cleanup and closure activities in accordance with the requirements of the Rocky Flats Cleanup Agreement (RFCA) (CDPHE et al. 1996) were completed by the DOE Office of Environmental Management. This report describes environmental monitoring, maintenance, and associated operations that were conducted during the period January 1 through December 31, 2006 (CY 2006).

Under the CAD/ROD, two Operable Units (OUs) were established within the boundaries of the Rocky Flats property: the Peripheral OU (POU) and the Central OU (COU). The COU consolidates all areas of the site that require additional remedial/corrective actions, while also considering practicalities of future land management. The POU includes the remaining, generally unimpacted portions of the site, and surrounds the COU. The response action in the final CAD/ROD is no action for the POU, and institutional and physical controls with continued monitoring for the COU.

The *Rocky Flats Legacy Management Agreement* (RFLMA) will supersede RFCA. The purpose of RFLMA is to establish the regulatory framework for implementing the CAD/ROD final response action and ensuring that it remains protective of human health and the environment. As of December 31, 2006, the Draft RFLMA was issued for public review and comment prior to regulatory approval, but this report assumes the activities covered under this report will not significantly change in the final RFLMA.<sup>1</sup>

Therefore, this report includes the results of surveillance, including water monitoring, and maintenance activities conducted under RFCA and subsequently conducted under the CAD/ROD and the Draft RFLMA. These surveillance and maintenance requirements include environmental monitoring; maintenance of the erosion controls, access controls (fences), landfill covers, dams, and ground water treatment systems; and operation of the ground water treatment systems.

This report includes all data evaluation as required by the 2006 RFCA Integrated Monitoring Plan (IMP), which underwent revision during this period (DOE 2006c, 2006d). For water monitoring, data evaluation is limited to those locations that remained after the CAD/ROD as part of the LM water-monitoring network. RFLMA requirements will replace the RFCA IMP.

### 1.1 Purpose and Scope

The purpose of this report is to inform the regulatory agencies and stakeholders regarding specified surveillance and maintenance activities being conducted at the Site, as required by RFCA and the CAD/ROD. DOE-LM is committed to periodic communications such as this report and through other means such as web-based tools and public meetings.

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<sup>1</sup> RFLMA became effective March 14, 2007, and superseded RFCA. The monitoring, surveillance and maintenance activities for which quarterly, annual and 5 year review reports are issued are included in RFLMA Attachment 2, Legacy Management Requirements. These activities did not change from the draft to the final RFLMA.

Maintenance activities performed by LM in the fourth quarter of 2006 and routine monitoring performed during all of calendar year (CY) 2006 are addressed. This document also includes the fourth quarter of CY 2006 water-quality data (Appendix B.6) and evaluation, in lieu of a separate Fourth Quarter CY 2006 Report.

## **1.2 Background**

Environmental monitoring during CY 2006 was conducted following the 2006 IMP (DOE 2006c, 2006d). Surveillance and maintenance activities in CY 2006 were conducted to meet the requirements of RFCA, including the IMP and requirements of RFCA accelerated action decision documents as further described in this Report. Surveillance and maintenance activities, including environmental monitoring, conducted in future periods will be performed according to the RFLMA (DOE 2007b).